10966 - 11071

19¢

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10966 - 1 July, 1973

White Pine Co., Nev.
Loose, gravelly slopes
in sagebrush-pinion
community ca 3 km
northeast of Ely.
Twps. 16 N., R. 63 E., ca. (S. 7.
Elev. ca. 1950 m.
Plants mostly 3-10
dm. tall, with 1-several
stems together. Herbage
glaucous. Flowers secund,
fragrant, pale lavender,
with deeper pink-purple
markings.
Penstemon palmeri A. Gray
det. Noel Holmgren
V. 596
Penstemon palmeri (10)

10967 - 1 July, 1973
White Pine Co., Nevada
Sagebrush - juniper -
pinyon hills ca 25 km
northwest of Ely. Twp.
18 N., R. 61 E. ca S. 26 -
Elev. ca. 2150 m.
Corolla transversely
flattened, dull lavender -
- purple, with achro -
leucous gales.

Cordylanthus kingii Wats.
det. Noel Holmgren ✓

Adenostegia kingii (12)

10968 - 1 July, 1973.
Same place as 10967.
Bracts varying from
ochroleucous through
salmon-pink to almost
scarlet.

Castilleja flavescens
Pennell ex Edwin
det. Noel Holmgren

Castilleja (10)

10969. 1 July, 1973.
Same place as 10967
Plants possibly spreading
by creeping roots.
~~Flowers reddish~~
Petals white, bifid.

Arenaria kingii (Wats.) ~~M.E. Jones~~
M. E. Jones
var. kingii

(7)

10970 – 1 July, 1973.

Same place as 10967.

~~Leaves~~ Stems 1-fur from a short, quickly deliquescent taproot.

Heads yellow. Rays mostly 5-8.

Senecio multibbatus T. & G.

Senecio multilobatus (10)

10971 - 1 July, 1973
Same place as 10967.
Rays 30-40, lavender.

Erigeron argentatus A. Gray

✓ ✓

Erig. argentatus (4)

10972. Same place as 10967.
Growing with #10972a,
C. intermedia A. Gray.
Crepis acuminata Nutt.
(1) ✓ ✓

10972a. Same place as 10967.
Growing with #10972,
C. acuminata Nutt.
Crepis intermedia A. Gray.
(1) ✓ ✓

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10972 - July 1973

Same place as 10967.
Heads yellow, with 5-10
~~5-10~~ flowers.

10773 - 1 July 1973
Lander Co., Nevada.
Granitic soil in pinyon-
juniper woodland
at Bob Scott Summit,
north end of Toiyabe
Mts., ca 13 km se. of
Austin. Twp. 19N., R.
42E., S. 32. Elev. ca 2200
m. Stems 1- few from
a perennial taproot,
strongly fistulous.
Herbage glaucous.
Petals elongate, slender
dull lavender.
Caulanthus crassicaulis
(Torr.) S. Wats.

(8)

Caulanthus crassicaulis

10974 - 1 July, 1973
Lander Co., ~~Wyoming~~ Nevada
Sagebrush slopes ~~on~~
~~ridge~~ just east of
Austin Summit, ca
6 km southeast of
Austin. T 19 N., R.
44 E., about S. 29.
Elev. ca 7300 m.
Stems clustered on
a coarse, brittle, woody
caudex or rhizome.
Basal leaves none.
Flowers blue.

Penstemon watsonii A. Gray
det Neal Holmgren

Penstemon watsonii 10

10975 - 1 July 1973.
Same place as 10974.
Stems clustered on a coarse, woody, brittle taproot. Bracts ~~light red~~ tipped with bright red. Calyx largely bright red. Corolla tube ochroleucous, the galea more greenish.

Castilleja linariaefolia Benth.
det. Noel Holmgren

Castilleja sp. linear (4)

1076 1 July 1973
Lander Co., ~~Nye~~ Nevada
Cracks in rocks on east
side of granite outcrops
just east of Austin
Summit, ca 6 km
southeast of Austin.
Twp: 19 N., R. 44 E., about
S. 29. Rays ca 25-30,
blue-lavender
Elev. ca 2300 m.

Erigeron teneer A. Gray

Grid: Austin (3)

10977. 1 July. 1973
Lander Co., Nevada,
E. side of foothills of granite rock outcrops just east of Austin Summit, ca. 6 km southeast of Austin. Twp. 19N., R. 44E., about S. 29. Elev. ca. 2300 m. Much-branched shrubs 1-1.5(2) m. tall. Flowers still white.

Holodiscus dumosus (Hook.) Heller

var. dumosus ✓

Holodiscus [illegible] (12)

10978-2 July 1973

Nye Co., Nevada. With sagebrush and Cercocarpus on ridge just north of Stewart Creek; Toiyabe Mts. ~~5 miles~~ 9 km. south of Austin. Twp. 12 N., R. 41 E., S. 21. Elev. ca 2600 m. Plants forming loose to dense mats on the ground. Flowers white, varying to faintly anthocyanic. Style short, scarcely 3 mm long.

Phlox austromontana Coville

Ph. Con (4)

10979 - 2 July, 1973
Same place as 10978.
Plants glaucous.
Flowers rather light blue.

Penstemon speciosus
Dougl. ex Lind
det. Noel Holmgren

10980 - 2 July. 1973.
Same place as 10978.
Stems clustered on a woody taproot and branching caudex.
Flowers white.
Plants nearly inodorous

Linanthastrum nuttallii
(A. Gray) Ewan

10981 - 2 July, 1973.
Same place as 10978.
Stems clustered on
a brittle, woody
taproot. Bracts varying
from bright light
yellow to orange,
salmon, or nearly scarlet.

Castilleja chromosa A. Nels.
det. Noel Holmgren

Castilleja (10)

10932 - 2 July, 1973

Nye Co., Nevada

With aspen and sage-brush along Stewart Creek; Toiyabe Mts. ~~5~~ 90 ~~miles~~ south of Austin

Twp. 12 N., R. 41 E., S. 21.

Elev. ca 2500 m. Flowers pink-purple

Allium bisceptrum Wats.

bisceptrum

(10)

10703. 2 July, 1773.
Same place as 10782.
Plants distinctly perennial, mostly single-stemmed, seldom with 2 stems. Flowers blue-lavender.

Phacelia sericea (Graham) Gray
var. ciliosa Rydb.

10984-3 July, 1923

Nye Co., Nevada - Seeping slopes above the west fork of Stewart Creek, ~~[illegible]~~ Toiyabe Mts. about 90 km. south of Austin. Twp. 12 N. R. 41 E. S 28. Elev. ca. 2900 m. Upland shrubs 1.5-2 m. tall. Young twigs glaucous.

Salix drummondiana Barratt

(10)

10985 - 3 July 1973

Dry brush ridge and
[illegible] timber pine
[illegible] slope overlook-
ing the north fork of
Stewart Creek, Toiyabe
Mts. ca. 90 km. south
of Austin, Lander Co. Nev.
T. 15 N., R. 43 E., Sec. 23, Elev. ca 2900
ft. Flowers white.
Hye Co. Nevada

Granite

Valeriana acutiloba Rydb.
var. pubicarpa (Rydb.) Cronq.

Volume (6)

1698 3 July 1975

Nye Co., Nevada. Granitic, sagebrush ridge just west of the west fork of Stewart Creek. Toiyabe Mts. ca. 10 miles south of Austin. Twp. 12 N., R. 41 E., S. 28. Elev. ca. 3000 m. Heads yellow, with about 13 rays.

Hymenoxys cooperi (A. Gray) Cockll. var. canescens (D. C. Eat.) Parker

Hymenoxys (10)

10-673. July, 1973.
Lyon Co. Nevada.
Crevices of granitic rock
on ridge just west of
the west fork of Stewart
Valley; Toiyabe Mts. ca.
7 sw. mi. south of Austin.
Twp. 12 N., R. 41
E., S. 28. Elev. ca. 29 00 m.

Arabis lemmoni Wats.
var. depauperata (A. Nels.)
Rollins

Arabis (1)

10988 3 July, 1923
Nye Co., Nevada.
On granitic sagebrush ridge just west of the west fork of Clement Creek, Toiyabe Mts. ca. 90 km south of Austin. Twp. 12 N., R. 41 E. S. 28. Elev. ca. 3000 m. Plants densely pulvinate - ~~cy~~ cespitose ~~[illegible]~~. Petals yellow.

Draba oligosperma Hook.
det. P. K. Holmgren

(2)

Draba - stellate hairs.

10989 - 3 July, 1973. Nye Co., Nev. Same place as 10988. Plants densely pubescent-strigose. ~~Sepals yellow, Petals white~~ Sepals green, turning yellow in age. Petals yellow, turning white in age.

Draba densifolia Nutt. ex T. & G., det. P. K. Holmgren

(10)

Draba -Alis

10990 - 4 July, 1973
Same place as 10991
Flavus yellow,
mostly 15-22 per head.
Achenes turning
orange-brown at
maturity.

Crepis occidentalis Nutt.
var. pumila (Rydb.) Peck

10731 4 July 1973
Nye Co., Nevada
Big-brush slopes
along Stewart Creek,
Toiyabe Mts. ca. 10 km.
south of Austin. Twp.
12 N., R. 41 E., S. 21.
Elev. ca 2500 m.
Plants mildly unpleasant
Stems 1-few from a
short-lived perennial
root. Flowers pale
reddish to bluish pink,
the pale corolla-lobes
flecked with deeper red.
Gilia aggregata (Pursh) Spreng.
var. attenuata Gray

Gilia agg. var. (6)

16992 - 4 July, 1973
Meye Co., Mex.
Same place as 16991
Leaves glaucous.
Flowers yellow.

Agoseris glauca (Pursh) Raf.
var. laciniata (D.C. Eat.)
Smiley

10934 5 July, 1973
Nye Co., Nevada
Granitic slopes under aspen along middle fork of Stewart Creek. Toiyabe Mts. ca 90 km south of Austin.
Twp. 12 N., R. 41 E., S. 27 or 28,
Elev ca. 2900 m.
Lax, sparingly branched shrub up to about 1 m. tall. Flowers dull yellowish

Ribes montigenum McClatchie

Ribes (11)

10995 - 5 July, 1912

Nye Co., Nevada

Borders of opening in granitic area, higher region, along the middle fork of Stewart Creek; Toiyabe Mts. ca. 90 km. south of Austin.

Twp. 12 N., R. 41 E., S. 27 or 28.

Elev. ca. 2900

Plants perennating by very slender and long, naked rhizomes.

Flowers pink.

Epilobium alpinum L., sens. lat.

Epilobium (9)

10996-5 - July 1973
Nye Co., Nevada,
Edge of spring
and outflow stream
in granitic area under
aspen - ... as in 10995
Plants with slender
rhizomes. Flowers
yellow

Mimulus tilingii Regel.
det. Noel Holmgren

Mimulus (10)

10997 - 5 July, 1973

Nye Co., Nevada.

Forming dense mats in granitic rock crevices, with scattered fines flabiles on moraine below the cirque at the head of Pleasant Creek. Toiyabe Mts. ca. 90 km. south of Austin. Twp. 12 N., R. 41 E., S. 27. Elev. ca 3000 m.

Selaginella watsonii Underw.

(9)

Selaginella watsonii

10998-5 July, 1973.
Nye Co., Nevada.
Wet marginal meadow
below granite cirque
at the head of Stewart
Creek. Toiyabe Mts., ca
9½ ~~miles~~ km south of
Austin. Twp. 12 N.,
R. 41 E., S. 27 or 34
Elev. ca. 3100 m.
Flowers yellow.

Ranunculus glaberrimus
Hook.
var. ellipticus (Greene) Greene

Ranunculus (13)

10999-5 July, 1973.
Nye Co., Nev., frame
plateau 10998. Plants
evidently short-lived,
but at least sometimes
blooming in 2 consecu-
tive years. Petals
yellow.

Draba crassifolia R. Grah.
det. P. K. Holmgren

Draba. (10)

11000 5 July, 1973
Nye Co., Nevada.
Flat, sagebrush-cover-
ed crest of Toiyabe
Mts. at head of
Stewart Creek, ca
10 km. south of
Austin. Twp. 12 N.,
R. 41 E, S. 34.

Elev. ca 3200 m.
Flowers yellow.
granitic

Lesquerella kingii (Wats.) Wats.
var. kingii

lesquerella

10

11001 – 5 July, 1973
Nye Co., Nevada
Same place as 11000. Bracts
ranging from achromes-
cent to dull purplish.

Castilleja nana Eastw.
det. Noel Holmgren

Castilleja

11002 5 July. 1973
Same place as 11.002.
Flowers white or
faintly anthocyanic.
Plants ~~common~~ abun-
dant, but now mostly
past the peak flowering.
Style short, ca 2 mm
long

Phlox covillei E. Nels.
(? sp. distinct from P.
condensata E. Nels.)

Plate (2)

11003 - 5 July. 1973.

Nye Co. Nevada.
Granitic streambanks in
canyon of and fork of
Stewart Creek. Toiyabe
Mts. ca. 90 km. south
of Austin. T 14 N,
R. 41 E., S. 28. Elev.
ca 3000 m. Corolla
with yellow ~~tube~~
tube and pink-purple
lobes. Anthers dark.

Dodecatheon jeffreyi
van Houtte

Dodecatheon sp.

1 - 6 July, 1973.
Pine Co., Nevada,
Sagebrush slope along
Stewart Creek. Toiyabe
Nat. For. 90 km. south
Austin. Twp. 12 N.,
R 41 E, S. 21. Elev.
ca. 2500 m. Heads
yellow, with 8-17
flowers.

Crepis atrabarba Heller
var. atrabarba

Crepis atrab. b. (11)

11005. 6 July, 1973
Nye Co., Nevada.
Under scattered aspens
along east fork of
Stewart Creek, shortly
above its mouth.
Toiyabe Mts. ca.
90 km. south of
Austin. Twp. 12 N,
R. 41 E. S. 21. Elev.
ca. 2600 m.
Flowers blue

Delphinium andersonii
A. Gray

(40)

11007 - 7 July, 1973
Nye Co., Nevada.
Rocky, granitic slope of Toiyabe Dome, northwest side, ca. 100 km. south of Austin
Twp. 11 N., R. 41 E., S. 10.
Elev. ca 3400 m.
Plants forming very dense, flat mats among the rocks. Flowers white or sometimes bright blue-lavender. Style short, ca 2 mm long.

Phlox covillei E. Nels.
~~Gop~~ (? sp. distinct from P. condensata E. Nels.)

Phlox 3

11 mi S. 7 July, 1973
Nye Co. Nevada.
Rocky granitic slopes on and just north of Toiyabe Dome, ca. 100 km. south of Austin. Twp. 11 N., R. 41 E., about S. 10. Elev. ca. 3[redacted]-3300 m. Rays mostly 25-40, white. Growing with the more ordinary form of E. compositus, but sharply distinct here.

Erigeron compositus Rush
var. discoideus Gray (3)

Erigeron comp. Eat

11009 7 July, 1973.
Nye Co., Nevada.
Rocky, granitic
slopes just north
of Toiyabe Dome, ca. 100
km. south of Austin.
Twp. 11 N., R. 41 E.,
about S. 10. Elev. ca.
3300 m. Flowers white
or faintly ochroleucous,
with a yellow eye.
Maturing nutlets evidently
roughened on the back.

Cryptantha humilis
(Gray) Payson

Oreocarya (3)

11D10 7 July, 1973

Nye Co., Nevada.
Relatively flat, granitic crest of the Toiyabe Mts., shortly north of Toiyabe Dome, ca. 25 km. ~~south of~~ south of Austin
Twp. 12 N., R. 41 E., S. 34.
Elev. ca. 3300 m.
Rays ca. 16-20, white to somewhat purplish
Achenes sparsely glochidiate-hairy.

Townsendia leptotes
(A. Gray) Osterhout

Townsendia (1)

11011 7 July, 1973.
Nye Co, Nevada.
Same plant as 11010.
Petals mostly 6-8,
white.

Lewisia pygmaea (A. Gray)
Robins.

Lewisia (b)

11012 - 8 July 1973

Mineral Co., Nevada

Rocky (dark ~~pink~~ porphyry) banks along Nevada Highway 23, ca. 12 km. north of Luning.

Elevation ca. 1700 m. Intricately branched shrubs mostly 3-5 dm. tall. Perianth white

Eriogonum heermannii Our. & Hilg. var. humilius (S. Stokes) Reveal

Chorgan

11013-8 July 1975
Mineral Co., Nevada
Sandy, gravelly
banks and wash in
porphyritic area
along Nevada highway
23, ca. 12 km. north
of Luning.

Elev. ca. 1700 m.
Heads discoid, yellow.

Psathyrotes annua (Nutt.)
A. Gray

3?
Psathyrotes ramosissima
Calycoseris

11014 - 11 July, 1973
Nye Co., Nevada.
Rocky, granitic slopes along Pine Creek, in the canyon above the forest camp, sagebrush-pinyon-juniper zone. Toquima Mts. ca 110 km. north of Tonopah. Twp. 11 N., R. 45 E., S. 13. Elev. ca 2300 m. Plants tap-rooted, with numerous stems from a branching, woody base. Flowers scarlet to orange-red.
Penstemon bridgesii A. Gray
det. Noel Holmgren.
Penstemon (13) 15

11015 - 11 July, 1973

Nye Co., Nevada.
Open granitic slopes in sagebrush-pinyon-juniper zone along south fork of Pine Creek, shortly above its junction with the North Fork. ~~Toquima~~ Toquima Mts. ca. 110 km south of Austin
T. 19 N., R. 45 E., S. 14.
Elev. ca 2400 m. Slender sprawling shrubs up to ca 6 dm. tall. Leaves glaucous, Flowers pinkish

Symphoricarpos oreophilus A. Gray var. utahensis (Rydb.) A. Nels.
(Growth habit of S. longiflorus A. Gray but flowers of oreophilus)
Symphoricarpos (7)

11016 11 July. 1973.
Nye Co., Nevada. Along
Pine Creek, both above
and below the forks.
Toquima Mts. ca. 110 km.
south of Austin. Twp.
11 N. R. 45 E., S. 13 and 14.
Elev. 2300-2400 m.
Heads white.

Cirsium utahense Petrak

Cirsium (8)

11017 11 July 1973.
Nye Co., Nevada.
Cinder pinyon and
juniper, along
south fork of Pine Creek,
shortly above the forks.
Toquima Mts. ca. 110 km.
south of Austin
Twp. 11 N., R. 45 E., S. 14.
Elev. ca 2400 m.
Flowers white.

Kelloggia galioides Torr.

Kellogia

11018 11 July, 1973
Nye Co., Nevada. With
sagebrush, pinyon,
and juniper along the
South fork of Pine
Creek, scarcely 1 km.
above its junction
with the north fork.
Toquima Mts. ca 110 km.
south of Austin. Twp.
11 N., R. 45 E., S. 14. Elev.
ca 2400 m. Perianth
segments whitish, with
pinkish brown mid-
strip. Scapes glaucous,
somewhat fistulous. —
Eriogonum elatum Dougl. ex Benth.
var. elatum
Eriogonaceae (8)

1019 11 July, 1923
Nye Co., Nevada.
Under aspens along ~~Pine~~
South fork of Pine Creek,
ca 1 km above its junction
with the ~~so~~ north f.k.
Toquima Mts. ca. 110 km
south of Austin Twp.
11 N., R. 45 E., S. 14-24.
Elev. ca. 2460 m.
Flowers rather light
blue.

Lupinus laxiflorus Dougl.
var. pseudoparviflorus (Rydb.)
Smith & St. John

J14
lupine (9)

11020 12 July, 1973
Nye Co., Nevada.
Along Pine Creek, for some distance below the forks. Toquima Mts. ca 110 km. south of Austin. Twp. 11 N., R. 45 E., S. 13. Elev. ca. 2300 m. Trees 10-15 m. tall, with trunks to 3-4 dm. thick. Leaves glossy deep green above, pale beneath. Catkins not all fallen. Fruits ca 1.5 dm long, slender, with subsessile, 3-carpellate capsules.

Populus trichocarpa T. & G.

✓ (3)

Populus balsamifera

11021 - 12 July 1973.
Nye Co., Nevada. Shaly, limestone-rich, moist spot along Pine Creek, just below the falls. Toquima Mts. ca. 110 km. south of Austin. Twp. 11N., R. 45E., S. 13 on W. slope, ca 2350 m. Plants vigorously colonial. Flowers pink.

Pyrola asarifolia Michx. ✓

Pyrola asarifolia

11022 - 12 July, 1973.
Nye Co., Nevada. Wet, low place along North Fork of Pine Creek, shortly above its junction with the South Fork. Toquima Mts. ca. 110 km. south of Austin. Twps. 11 N., R 45 E., Sl 14.
Elev. ca. 2400 m. Plants forming a turf.

Carex lanuginosa Michx.

Carex (10)

11023 - 13 July 1935.
Nye Co., Nevada.
Same place as 11022.
Flowers light green.

Habenaria sparsiflora
Wats.

1/

Habenaria (4)

11024 - 12 July, 1973.
Nye Co., Nevada.
Under aspen and birch along the North fork of Pine Creek, scarcely 1 km. above its junction with the South Fork. Toquima Mts. ca. 110 km. south of Austin. T. 19 N., R. 45 E., S. 14. Elev. ca. 2450 m. Stems 1-2 (-5) from a short-lived perennial taproot. Flowers rather light blue.

Hackelia floribunda
(Lehm.) I. M. Johnston.

Hackelia (9)

11025 13 July 1972
Nye Co., Toiyabe Range. ca. 11 km. south of Austin. Scattered along Pine Creek and its South Fork, from the mouth of the canyon (ca 2200 m.) up to ca. 3000 m., but mostly postnatum at the lower elevations. Twp. 11 N., R. 45 E., S. 13, 14, 21, 22, 23. Stems solitary or few. Flowers rich red.

Penstemon eatonii A. Gray
det. Noel Holmgren

red penstemon (#3)

1074 13 July. 1973

Nye Co., Nevada. Open slopes toward the headwaters of the Middle Fork of Pine Creek. Toquima Mts. ca. 11 km. south of Austin. Twp. 11 N R. 45 E., S. 21. Elev. ca. 3000 m. Plants also seen down to ca. 2600 m, but there mostly pentamerous. Rays ca. 34, or up to ca. 45, blue. Lanuginose.

Erigeron clokeyi Cronq.

(10)

Erigeron ovinus (2)

11027 13 July, 1973
Pine Co., Nevada
Open slope toward the headwaters of the middle fork of Pine creek. T. 9 mi. N. to 10 km. south of Austin. 7 mi. W. N., R. 45 E., S. 21. Elev. ca. 3100 m. Bracts scarlet to purplish-red.

Castilleja dissitiflora
N. Holmg.

det. N. Holmgren

Castilleja (11)

11028 – 13 July, 1973.
Nye Co., Nevada.
Rock crevices on moderate
slope under the cirque
at the head of the ~~South~~
Middle Fork of Pine
Creek. Toquima Mts.
ca. 110 km. south of
Austin. Twp. 11 N.,
R 45 E., S. 17. Elev. 3200 m.
Petals rather small,
yellow.

Potentilla pseudosericea
Rydb.
(Perhaps only an alpine form
of P. pensylvanica L.)

Potentilla (3)

11029 13 July, 1973.
Nye Co., Nevada.
Same place as 11028.
Corolla white; disk yellow.

Heuchera duranii Bacig.
(Perhaps only a phase of
H. parvifolia Nutt.)

Heuchera (8) 12

1030 13 July, 1973.

Nye Co., Nevada.

Forming loose mats
1 km or more wide on
moraine under the
cirque at the head of
the Middle Fork of Pine
Creek. T 19 N., R 45 E.,
S. 17. Elev. 3200 m.
Flowers blue.
Toquima Mts. ca. 110 km.
south of Austin!

Penstemon procerus Dougl.
var. formosus (A. Nels.) Cronq.
det. Noel Holmgren.

(10)

Lupinus Fendleri (8)

11031 - 13 July, 1973
Nye Co., Nevada.
Open slopes in Pinus
flexilis zone near the head
of the Middle Fork of
Pine Creek. Toquima
Mts. ca. 11 km. south
of Austin. T. 14 N., R. 45
E., S. 17. Elev. ca. 3100 m.
Flowers rich lavender
(not blue!).

Penstemon speciosus Dougl.
ex Lindl.
det. Noel Holmgren

(7)

Lavender Penstemon

11032 13 July, 1973.
White Co., Nevada. Same
plant as 11031. Petals
white.

Potentilla glandulosa Lindl.
var. nevadensis Wats.,
passing to var. pseudorupestris
(Rydb.) Breitung

P. glandulosa (8)

11033 13 July 1973
Hwy 2a Nevada.
Same plant as 11028.
Herd yellow with
mostly 8 rays.

Eriophyllum lanatum (Pursh)
Forbes
var. integrifolium (Hook.)
Smiley

Eriophyllum l. (1)

11034 13 July, 1973

Nye Co., Nevada. In shade of aspen and limber pine. Lower the headwaters of the Middle Fork of Pine Creek.

7 miles. ca 110 km south of Austin.

T. 19 N. R. 44 E. S. 22.

Elev. ca 2800 m. Plants scarcely shrubby.

Flowers white.

Penstemon deustus Dougl. ex Lindl. var. heterander (T. & G.) Cronq.

det. Noel Holmgren

P. deustus (4)

~~1031~~ 1102
13 July. 1973. Nye Co. Nevada.
Moist places in aspen -
limber pine zone to-
ward the headwaters of
the Middle Fork of Pine
Creek. Toquima Mts.
ca. 110 km. south of
Austin. Twp. 11N, R. 45E.
S. 21. SEc. ca. 2900 m.
Bracts orange-red.

Castilleja hybrid.
C. miniata Dougl. ex Hook
×
C. dissitiflora N. Holmg.
det. Noel Holmgren.

Castilleja 1 min. (1)

11036 - 14 July. 1973
Nye Co., Nevada
With sagebrush
edge of mahogany
woodland. Dobbin
Pass, Monitor Mts.
ca 90 km. south-
east of Austin, Twp.
13 N., R. 49 E., S. 30. Elev.
ca. 2400 m. Stems
1-several. Flowers
bright scarlet

Penstemon eatonii A. Gray
det. Noel Holmgren

Penstemon eatoni (5)

11037- 14 July, 1973.
Nye Co., Nevada.
Same plant as 11036.
Rays 34-50, blue-lavender.

Erigeron clokeyi Cronq.

Erigeron aureus (2)

11038 – 14 July, 1873
Nye Co., Nevada
On granite-porphyry
cliffs overlooking
Dobbin Summit from
the ~~w~~ southwest side.
Monitor Mts. ca 90
km. southeast of Austin.
Twp. 13 N., R. 45 E., S. 30.
Elev. ca. 2500 m.
Intricately branched
shrubs mostly 6–10 dm
tall. ~~Petals~~ Petals white

Chamaebatiara
millefolium (Torr.) Maxim.

Chamaebatiara (6)

11039 14 July, 1973
Nye Co., Nevada.
Same place as 11038.
Petals yellow, tending
to be marcescent-
-persistent.

Potentilla pensylvanica L.
sens. lat.

Potentilla (3)

11040 14 July, 1973
Nye Co. Nevada.
With Iris missouriensis in grassy meadow along West Dobbin Creek ca 2.5 km. northwest of Dobbin Summit, Monitor Mts. ca 90 km south east of Austin. Twp 13 N. R 48 or 49 E.
Elev. ca. 2350 m. Stem very short, but thick and succulent. Heads 6-15, sessile in a cluster, purple.
Cirsium scariosum Nutt.
(C. tioganum (Congd.) Petrak)
77.5
Christ (10) 535

11041- 15 July, 1973
Nye Co., Nevada. Granitic
granitic slopes overlook-
ing the South Fork of
Pine Creek, ca. 1 km.
northeast of the South
summit of Mt. Jefferson.
Toquima Mts., ca 110 km
south of Austin.
Plants prostrate, forming
mats up to several dm.
wide. Petals small,
spatulate, yellow.
Stamens 5.
Elev. ca. 3700 m. Twp. 11
N., R. 45 E., ca. S. 28.
Ivesia Shockleyi Wats.
Ivesia D

11042 - 15 July, 1973

Nye Co., Nevada. Granitic, moraine area under aspen and limber pine, toward the head of the South Fork of Pine Creek. Toquima Mts. Ca. 110 km. south of Austin. Twp. 11 N., R. 45 E., S. 28. Elev. ca. 2800 m.

Petals probably yellow

Draba arida C. L. Hitchc.
det. P. K. Holmgren

Draba. (7)

11643 - 15 July, 1973
Nye Co., Nevada
Granite ridge crest
between the South Fork
of Pine Creek and mouth
southerly drainage,
ca. 1 km. or less northeast
of the South Summit of
Mt. Jefferson (the same
species also growing on
the summit), Toquima Mts.
Ca. 110 km. south of Austin.
Twp 11 N., R. 45 E. Ca. S. 33
Elev. ca. 3300 m.
Rays mostly 25. (15)
blue-lavender.
Erigeron clokeyi Cronq.
Some specimens approach the more
western E. pygmaeus (A. Gray) Greene in
habit, but have the short, blunt
style-appendages of E. clokeyi (5)

11044 - 15 July, 1973

Nye Co., Nevada. In turf on rocky, granitic northeast slope of the fourth peak of Mt. Jefferson, not far below the summit. Toquima Mts. ca 11 km. south of Austin. Twp. 11 N. R 45 E, S. 32. Elev. ca. 3500 m. Ray yellow, ca 13, or sometimes up to 18.

Haplopappus apargioides
A. Gray

Haplopappus (L)

11045 - 15 July, 1923
Nye Co., Nevada
Same place as 11044

Carex helleri Mackenzie.
Form approaching C. albonigra
Mackenzie

✓

Carex (6)

11046 15 July, 1973
Nye Co., Nevada. Several places in a bed of aspen along the South Fork of Pine Creek. Toquima Mts., ca. 110 km. south of Austin. T 14 N., R. 45 E., about S. 28. Elev. ca 2700 m. Flowers white, with purple keel.

Trifolium monanthum Gray

#11047 15 July, 1973
Nye Co., Nevada
Same place as #11044.
Petals white.

Arabis lyallii Wats.

Arabis (3)

11048 15 July, 1973.
Nye Co., Nevada
Same place as 11041.
Flowers white or
pinkish.

Oxytropis viscida Nutt.
ex T. & G.
det. R. C. Barneby

Oxytropis - Fabaceae (7)

11049 15 July, 1923
Nye Co., Nevada
Same place as 11041

Oxytropis parryi A. Gray

det. R. C. Barneby

Oxytropis sp. (4)

11050. 16 July, 1973.

Nye Co., Nevada.

Granitic cliffs at the mouth of Pine Creek Canyon. Toquima Mts. ca. 110 km. south of Austin. Twp. 11 N., R. 45 E., S. 13. Elev. ca. 2300 m. Branching shrubs up to ca 1.5 m. tall. Flowers white.

Chamaebatiara millefolium (Torr.) Maxim.

Chamaebatia (3)

11051 - 18 July, 1973
Mono Co., California
With Cercocarpus and
pinyon pine on open
slopes of Silverado Canyon.
Sweetwater Mts., ca 75
[illegible] Northeast, Nevada
ca. Twp: 7N., R. 24E.
Elev: ca 2350 m.

Headsyellow, with ca.
13 rays.

Solidago canadensis L.
var. salebrosa (Piper) M. E. Jones

Solidago californica (2)

1105 2 - 18 July 1973
Mono Co., Calif.
Common, granitic, gravelly
slopes along
Silverado Creek.
Summitville Mts. ca 75
S. end of Hawthorne, Nev.,
Cercocarpus - pinyon Zone.
ca. Twp. 7 N, R 24 E.
Elev. ca 2400 m.
Plants taprooted, with
numerous slender, often
basally rhizome-like
stems, forming small
mats. Petals
white, equalling the
Arenaria nuttallii Pax
var. fragilis (Maguire & Holmgren)
Arenaria (3) C. L. Hitchc.

11053 15 July, 1978.
Marin Co., California
Fairly moist spot along
Silverado Creek in
Cercocarpus zone.
Sweetwater Mts. ca 75
[illegible] Mt. Tamalpais Mer.
ca. Twp. 7N., R. 2W E.
Elev. ca. 2400 m.
Rare white; counts
in Silverado 71, 88, 91.

Erigeron coulteri Porter

E. coulteri (8)

11054 - 18 July, 1973,
Mono Co., Calif.
Open, gravelly, granitic slopes in Leucocarpus - pinyon zone in Silverado Canyon.
Sweetwater Mts.
ca. 7.5 km. west of Wellington, Nev.
ca. T. 7N., R. 24E.
Elev. ca. 2,400 m.
Plants forming mats several dm. wide forming continuous tufts, flowering profusely. Flowering stems
Eriogonum wrightii Torr. ex Benth. var. scapesum Wats.
Determined by [illegible]

11055 – 16 July 1923
Mono Co., Calif.
Barren, gravelly, granitic
slopes in Cercocarpus-
pinyon Zone in Silversalo
Canyon. Sometimes met
2.75 km. east of Montgomery Mts.
ca. Twp. 7 N. R. 34 E.
Elev. ca. 2400 m.
Plants ca. prostrate.
Herbage glaucous.

Asclepias cryptoceras Wats.

✓

Asclep. Cryptoc. (8)

1/056 - 16 July, 1928
Mono Co., Calif.

Open, granitic slopes in Cercocarpus - pinyon zone in Silvertada Canyon. Silvertada Mts. 2475 ft. west of Wild Horse, Elev. ca. Twp. 7 N., R. 24 E. Elev. ca. 2400 m. Stems several, loosely ascending from a taproot. Flowers pale lavender.

Phacelia ramosissima Dougl.

Phacelia (4)

11057 – 16 July, 1923
Plumas Co., Calif.
Lone Pine Creek 11056.
Plants probably
spreading by creeping
roots. F. Lavender 5,
bright pink.

4

Stephanomeria tenuifolia
(Torr.) H. M. Hall

Lygodesmia (7)

11058 - 18 July, 1973

Napa Co., Calif.

Open, rocky or gravelly granitic slopes in Cercocarpus & Quercus in Silverado Canyon. Fruiting to Mts. ca. 75 between Trabuco & Hawthorne Mts.

ca. Twp. 7 N., R. 7 E.

Elev. ca. 1500 m.

Plants tap-rooted, with numerous slender stems from a commonly much branched, somewhat woody base. Flowers bright lavender

Plants strongly odiferous

Monardella odoratissima Benth. var. pallida (Heller)

Monardella GO 653

11057 - 19 July, 1923
Mono Co., Calif.
With scattered limber pine
and bristlecone pine on
granitic rhyolitic slopes
overlooking Silversword Canyon
to the northwest.
Sweetwater Mts. ca. 7.5
miles west of Hawthorne.
Nevada. ca. Twp. 7N. R24E.
Elev. ca. 2900 m.
+ common blue tubular corm-
clad. Herbage glaucous.

Penstemon speciosus
Dougl. ex Lindl.
det. Noel Holmgren

Penstemon (2)

11060 - 19 July 1973
Mono Co., Calif. With
scattered limber pine and
lodgepole pine on
granitic rhyolitic slopes
west-southwest of the ridge
between Silverado Canyon
and Sweetwater Canyon,
Sweetwater Mts., ca. 75 km
west of Hawthorne, Nevada.
Elev. ca. 2900 m. ca. Twp.
7 N., R. 24 E.
Stems clustered and ascending
to 30 cm. Flowers blue.

Lupinus caudatus Kell.

Lupinus (2)

11061 19 July 1973
Mono Co., Calif.
Open, gravelly, rhyolitic
ridge crest between
Alkali Canyon and
Lunar Lake Canyon, Lunar-
Lake Hills, ca. 7.5 km.
west of Hawthorne, Nevada,
ca. Twp. 7 N., R. 34 E.
Elev. ca. 3000 m. Heads yellow,
with mostly 8 involucral
bracts.

Raillardella argentea
A. Gray

8 i L

Raillardella (2)

11062 - 19 July, 1973
Mono Co. Calif. Same
as 11061. Bracts
yellow or faintly anthocy-
anic, often reddish-
-margined.

Castilleja nana Eastw.

det. Noel Holmgren

Castilleja (5)

11063 - 19 July, 1973
Mono Co. Calif. Open,
gravelly, rhyolitic slopes
just under the crest of the
ridge between Silversads
Canyon and Sweetwater
Canyon, on the Silversads side.
Sweetwater Mts., ca 75
km. west of Hawthorne, Nevada
ca. Twp. 7 N., R. 24 E.
Elev. ca. 3000 m.
Herbage gaseous.

Cymopterus Ciliarius A. Gray

Cymopterus (3)

11064 - 19 July, 1973
Mono Co., Calif.

Some places as 11063.
Plants fairly abundant,
but mostly post-mature.
Rays yellow, ca 8-13.

Senecio werneriaefolius
A. Gray.

Senecio werneri (4)

11065 - 19 July, 1973.
Mono Co., California.
Open, gravelly, loose, talus-like, rhyolitic slopes near the crest of the ridge between Silverado Canyon and Sweetwater Canyon, on the Sweetwater Canyon side. Sweetwater Mts. ca. 7.5 km. west of Hawthorne, Nevada. ca. Twp. 7 N., R. 24 E.
Elev. ca 3060 m. Plants somewhat succulent. Heads yellow, with mostly 8-13-rays.
Senecio pattersonensis Hoover

Sen. patterson (10)

11066. 19 July, 1973. Mono Co., Calif. Aspen, gravelly, rhyolitic ridge crest between Silverado Canyon and Sweetwater Canyon, Sweetwater Mts., ca 75 km. west of Hawthorne, Nevada. Twp. ca. Twp. 7N., R. 24E. Elev. ca 3000 m. Rays ca. 28-42. blue violet.

Erigeron pygmaeus (A. Gray) Greene

Grinn (11)

11067 17 July, 1973.
Mono Co., Calif.
Same place as 11063.

Draba densifolia Nutt.
ex T. & G.
det. P. K. Holmgren

Draba (2)

11068 - 19 July, 1973.
Mono Co., Calif
Same place as 11066.
Heads yellow, ruth
ca. 8-13 rays.

Hymenoxys cooperi (A. Gray)
Ckll.
var. canescens (D.C. Eat.)
Parker

Hymenoxys (12)

11069 - 19 July, 1973
Nevada Co., Calif. Open, gravelly - rhyolite crest & upper slope of ridge between Silverado Canyon and Limestone Canyon. Limestone Hills, ca 75 km. west of Hawthorne, Nev. ~~Tuno~~ Ca. Twps. 7 N., R. 24 E. Elev. ca. 3000 m. Plants forming loose, open mats up to several dm. wide. Flowers bright rather light yellow.

Eriogonum rosense
Nels. & Kennedy

Eriogonum (7)

11070 - 19 July, 1973.
Inyo Co., Calif.
Same place as 11066.
Growing with #11066,
E. pygmaeus (A. Gray) Greene,
~~and seemingly not taxonomically~~
~~distinct~~ but
larger and with better
developed cauline
leaves. Not sharply distinct
on habitat alone, but with
consistently shorter and
blunter style appendages

Erigeron clokeyi Cronq.

large daisy (3)

11071 19 July 1943
Mono Co., Nevada.
Rhyolitic, gradually slopes overlooking the Silversado Canyon from the northwest. Sweetwater Mts. ca. 75 km. west of Hawthorne, Nev. ~~T. sp.~~ ca. Twp. 7N., R. 24E. Elev. 2900-3000 m. Erect, slender trees to 10-15 m. ~~high~~ high, not seeming to attain any great age. Growing with P. flexilis.

Pinus contorta Dougl. ex Loud. var. murrayana (Balf.) Engelm.

Rare (2) 23

Evergreen - 28-45 rays
2950 m. - skylight

Senecio
Eriogonum
Hymenoxys - same.

West Carrington
Upper Cretaceous of
Central part of Fort-
muster Mts. near 2-4
dm. oligotaxic, [illegible]
[illegible] - bearing units in the
Sedds. Above analysis
sect. in 6-8 dm, 2-3-
headed.

25 to m. Virgatidae
23 (?) m. Craginum
24 m - [illegible] ammonites
range 71, 88, [illegible]

July 7 – Aug 12

Hukahi 38 ½

927.50

563.35

Per Brinck

Chin. Committee

Fund.

429. 78

85

813-446-7161
ext 221 William
Blackwood.
Asst state attorney
Clearwater, Fla.
ext. 15

Pleistocene 2800 m.
Can. Perm. 3100 m.
Permian 3200 m.
Huichaca 3200 m.
Cachilla 3050 m.

49.8 Pottsville
92.2 Mt

2130 E. Saranac Road.

384 1397

94 (m) Left

97 (m) Left

97 (m) Left

$\frac{9}{250}$

$\frac{9}{375}$

97 (m) Left

Austin 76310.2
660 Columbiana

T12N. R.4E. S.21
8350

8650
3
25950

2600

5 6 miles

11012.13' ~~5600~~ 5600'
464.7. 3
1680
dark porphyry
sandy-gravelly wash.
Atreplex - Pyrus

8/5 x16 128

jct 44 52.6

63.1

Rest Area 64.6

Little Antelope Summit 190.0

Enter

Eureka Co. 216.0

Mid-Eureka 26.5

Junction 51 30.0

Entering Lander Co. - 65.2

RJ to Petroglyphs 73.5

out of " 75.3

Crest Summit. 93.8

$$\begin{array}{r} 72 \\ 3 \\ \hline 2160 \end{array} \qquad \begin{array}{r} 76 \\ 3 \\ \hline 228 \end{array} \qquad \begin{array}{r} 75 \\ 3 \\ \hline 225 \end{array}$$